

4th Oct SEM

**WASTE MANAGEMENT
SURFACE EMISSION MONITORING
CALIBRATION AND PERTINENT DATA**

Date: 11/7/2016

Site Name: Cottonwood Hills

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: South Barometric Pressure: 30.26 in

Air Temperature: 69 deg F General Weather Conditions: Mostly Sunny

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 10% of the calibration gas value.

Instrument ID: 30987664 Cal Gas Concentration: 500 ppm

| Trial | Zero Air Reading | Cal Gas Reading | (Cal Gas Conc. - Cal Gas Reading) |
|-------|------------------|-----------------|-----------------------------------|
| 1 | 0 | 494 | 6.00 |
| 2 | 0 | 498 | 2.00 |
| 3 | 0 | 500 | 0.00 |

Average Difference: 2.67

Calibration Precision = Average Difference/Cal Gas Conc. X 100%
0.53333333

Post-monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 496 ppm

BACKGROUND CONCENTRATION CHECKS


Upwind Location Description: North Access Road Reading: 3.1 ppm

Downwind Location Description: South Access Road Reading: 4.3 ppm

NOTES:

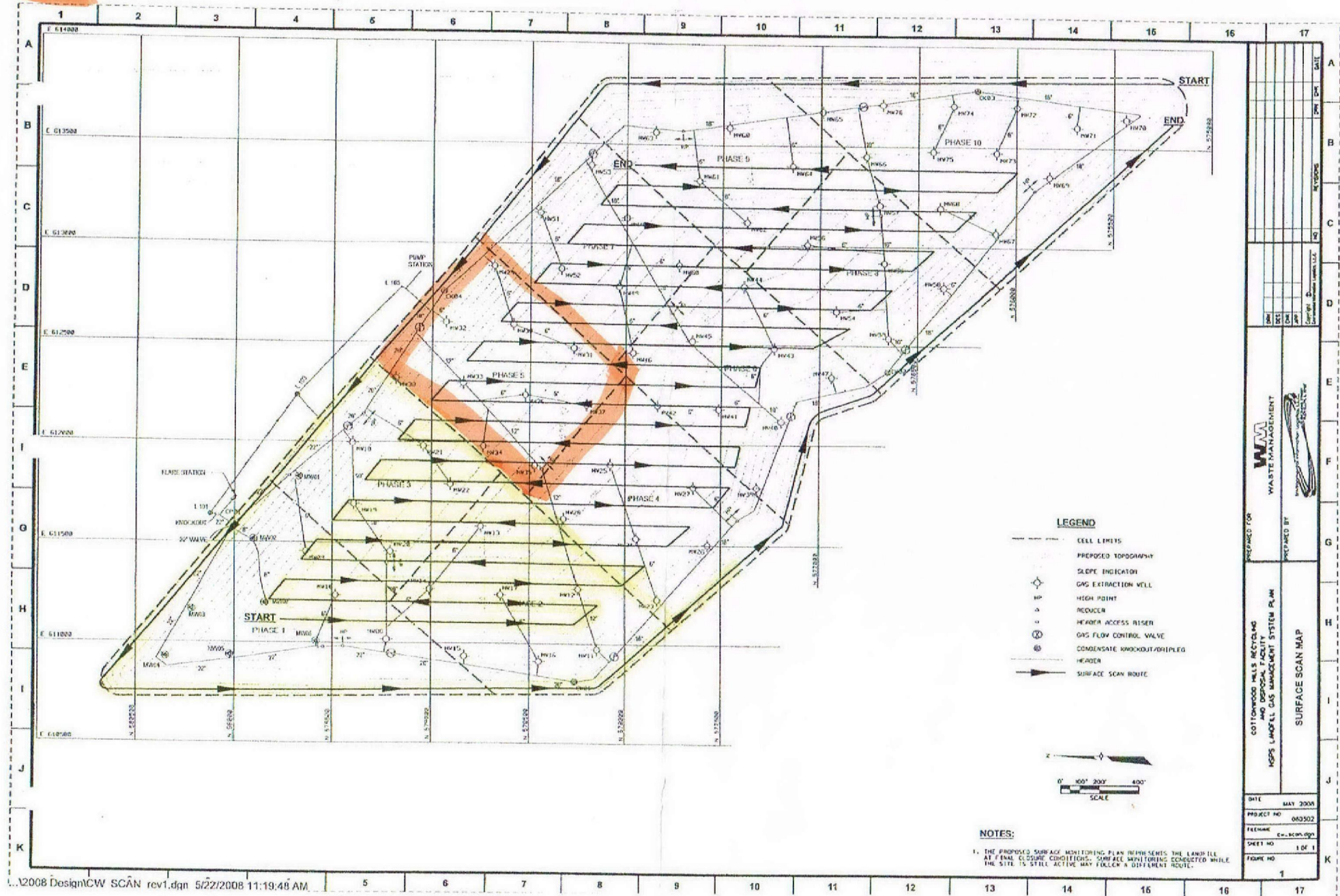
No readings observed over 350 ppm

SEM Cal Form



- Monitored

- Active Area (Not monitored)



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